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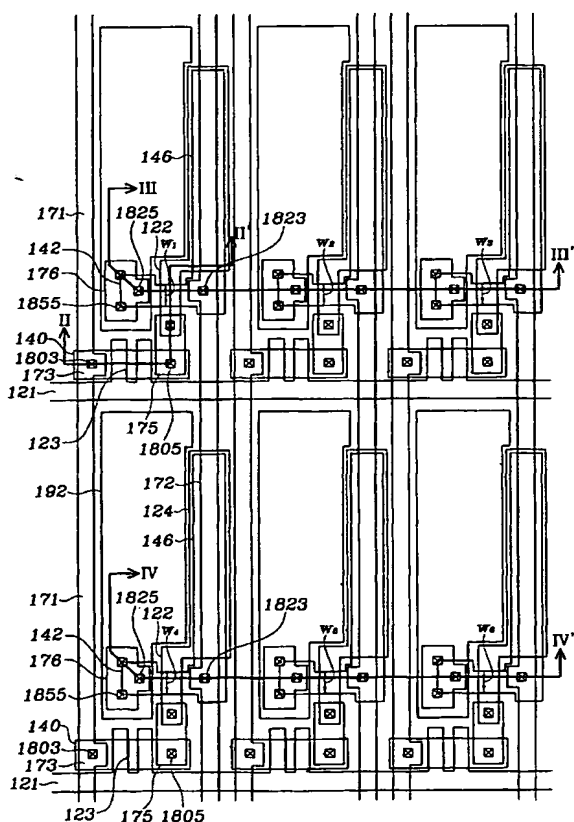
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- (71) Applicant (for all designated States except US): SAM-SUNG ELECTRONICS CO., LTD. [KR/KR]; 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742 (KR).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): LEE, Su-Gyeong [KR/KR]; 202, 1546-10, Sillim 9-dong, Kwanak-ku, 151-860 Seoul (KR). KANG, Sook-Young [KR/KR]; Woosung Apt. 501-1713, Seocho 2-dong, Seocho-ku, 137-773 Seoul (KR). KANG, Myung-Koo [KR/KR]; Misung Apt. 3-205, Sincheon-dong, Songpa-ku, 138-240 Seoul (KR). KIM, Hyun-Jae [KR/KR]; Cheonggu Apt. 601-903, 123, Imae-dong, Bundang-ku, 463-905 Seongnam-city, Kyungki-do (KR). IM, James S. [US/US]; 500 West 120th, street #1106, New York, NY 10027 (US).
- (74) Agent: YOU ME PATENT & LAW FIRM; Teheran Bldg., 825-33, Yoksam-dong, Kangnam-ku, 135-080 Seoul (KR).
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[Continued on next page]

(54) Title: THIN FILM TRANSISTOR ARRAY PANEL



(57) Abstract: A thin film transistor array panel is provided, which includes: a substrate (110) including a plurality of pixel areas; a semiconductor layer (140, 142) formed on the substrate (110) and including a plurality of pairs of first (140) and second (142) semiconductor portions in respective pixel areas; a first insulating layer (130) formed on the semiconductor layer; a gate wire (121-124); formed on the first insulating layer; a second insulating layer (180) formed on the gate wire (121-124); a data wire (171, 172) formed on the second insulating layer (180); a third insulating layer (185) formed on the data wire (171, 172); a pixel electrode (192) formed on the third insulating layer (185) and connected to the data wire (171, 172), wherein width and length of at least one of the first (140) and the second (142) semiconductor portions vary between at least two pixel areas.

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CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H01L 29/786, G02F 1/136

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H01L, G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001 005029 A (TOSHIBA) 12 January 2001 (12.01.2001) <i>fig. 1,3, abstract.</i>	1,4
A	JP 07 142736 A (MATSUSHITA) 2 June 1995 (02.06.1995) <i>fig. 1,2,5, abstract.</i>	1,4
A	EP 0650197 A2 (SEMICONDUCTOR ENERGY LAB) 26 April 1995 (26.04.1995) <i>claims 1,4,9,10.</i>	1,4
A	US 5742363 A (BAE) 21 April 1998 (21.04.1998) <i>abstract.</i>	1,4
A	US 6356320 B1 (CHUNG et al.) 12 March 2002 (12.03.2002) <i>fig. 4 - 8, abstract.</i>	1,4
A	US 2002063287 A1 (YAMAZAKI et al.) 30 May 2002 (30.05.2002) <i>claims 1,2.</i>	1,4

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Information on patent family members

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